**Project Synopsis/Project Concept Document**

**(Due: 25th January)**

***Remove the descriptive paragraphs in each section including this line (given in blue) stating what to do before you add this to your repository or turn it in.***

|  |  |
| --- | --- |
| Project number | ***16*** |
| Project Title | ***Indian Language Sentence Completion.*** |
| Document | DASS Project Concept Document |
| Creation date | ***25-01-24*** |
| Created By | ***Shreyansh***  ***Siddharth Agarwal***  ***Garvit Gupta***  ***Priet Ukani*** |
| Client | ***Chaitanya Sagar***  ***Perceptive Analytics Pvt. LTD.*** |

**Description**

This project aims to address the challenge of typing in non-English languages, focusing on Telugu. Traditional keyboards lack support for Telugu, making the typing process cumbersome. To alleviate this issue, the project introduces a machine learning model that facilitates sentence autocomplete functionality, significantly improving the ease and efficiency of typing in Telugu script. So our main task is to deploy this ML based NLP model as a chrome extension.

**Profile of Users**

Anyone who wishes to type in Telugu script (Can belong to any background and any domain).

Example of users:

* Casual Conversational: Streamlining digital conversations in Telugu with a more convenient and faster typing experience.
* Telugu Authors: Accelerating the writing process for Telugu authors through efficient sentence autocomplete functionality.
* Students: Enhancing students' academic endeavours in Telugu by facilitating seamless typing for assignments and note-taking.

**Usage Model and Diagrams (if any)**

Mode proposed: AWS Lambda

Proposed architecture:

